

CALIFORNIA INSTITUTE OF TECHNOLOGY

*Robinson Laboratory of Astrophysics*

**DATA ON THE SUITABILITY OF THE  
WHITE MOUNTAINS OF CALIFORNIA  
AS AN OBSERVATORY SITE**

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CALIFORNIA INSTITUTE OF TECHNOLOGY

MONTHLY REPORT ON RESEARCH CONDUCTED UNDER  
OFFICE OF NAVAL RESEARCH CONTRACT N6 onr 24421

JUL 1949



FORM: NOV 1948

[illegible]

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER NO. <u>67</u>	
					PHOTOGRAPHIC WEDGE NO. <u>    </u>	
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS



YEAR

2 July 1949

DAYTIME OBSERVATIONS  
TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY  
 J. MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

FORM: NOV. 1948

[illegible]

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER NO. <u>7</u>	
0	0	0	0	0	PHOTOGRAPHIC WEDGE NO. <u>64</u>	
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS



DATE 3 JULY 1949  
DAY MONTH YEAR

DAYTIME OBSERVATIONS  
 TO TEST SUITABILITY OF  
 SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY  
 8 MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	BRIGHTNESS REDUCED SKY	SEEING	WIND DIRECTION	WIND SPEED	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	3.6	11	8	SW	4	686.0	0	0	FD	NEW PHOTOMETER BEING USED.
1600	3.5	12	7	SW	6	686.1	0	0	FD	
1700	3.8	9.4	5	SW	8	686.0	K3	1	FD	
1710	3.6	11	4 to 5			DR. ROBERTS				SEEING VARIABLE OVER 10 MINS. 4 TO 6
1710	3.6	11				D. WANLASS				
1711	3.5	12				A. SERIFF				
1800	3.3	15	—	S	10	686.1	K2	2	FD	
1805	3.3	15				C.L. D'OORGE				
1900	3.2	17	6	W	11	686.0	K4	6	FD	
2000	3.4	14	3	SW	11	685.8	K4	6	FD	
2100	—	—	—	S	14	685.2	K4	9	FD	SUN OBSCURED
2200	2.8	26	3	SW	10	684.8	K4	7	FD	
2300	—	—	—	SW	8	684.4	K4	9	FD	SUN OBSCURED
2400	—	—	—	SW	6	684.2	K4	9	FD	" "

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER	NO. <u>6</u>
<u>7</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>7</u>	PHOTOGRAPHIC WEDGE	NO. <u>6A</u>
NIGHT OBSERVATIONS					TIME P.S.T.	SKY
					SEEING	OBSERVER
					REMARKS	



DAY MONTH YEAR

WHITE MOUNTAIN OBSERVATORY  
 J. MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

FORM: NOV. 1948

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER	NO. <u>6</u>
2	0	0	0	2	PHOTOGRAPHIC WEDGE	NO. <u>6A</u>
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS



DATE

DAY

5

MONTH

JULY

YEAR

1949

## DAYTIME OBSERVATIONS

TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY

MR. R. C. BARNHILL

BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	REDUCED SKY BRIGHTNESS	SEEING	WIND DIRECTION	WIND SPEED	ATMOS- P PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	2.8	26	6	SE	8	682.3	0	0	WFB	
1600	2.9	23	6	SE	8	682.4	0	0	WFB	
1700	3.0	21	7	SE	9	682.5	0	0	WFB	
1800	3.2	19	5	S	10	682.8	0	0	WFB	
1900	3.1	19	4	W	9	682.8	0	0	WFB	
2000	3.0	21	4	SW	8	682.8	0	0	WFB	
2100	2.5	36	2	SW	17	682.5	0	0	WFB	
2200	2.2	52	3	SW	7	682.7	0	0	WFB	
2300	1.4	150	1	SE	13	682.5	0	0	WFB	
2400	1.2	200	2	SE	14	682.3	0	0	WFB	

HOURS  
CLASS 1HOURS  
CLASS 2HOURS  
CLASS 3HOURS  
CLASS 4HOURS CLEAR  
TOWARDS SUN

VISUAL SKY PHOTOMETER

NO. \_\_\_\_\_

PHOTOGRAPHIC WEDGE

NO. \_\_\_\_\_

NIGHT

OBSERVATIONS

TIME P.S.T.

SKY

SEEING

OBSERVER

REMARKS

6A



DATE 6 July 1949  
DAY MONTH YEAR

DAYTIME OBSERVATIONS

TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY

MR. R. C. BARNHILL

BIG PINE, CALIFORNIA

FORM: NOV 1948

[illegible]

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER NO. <u>6</u>	
10	0	0	0	10	PHOTOGRAPHIC WEDGE NO. <u>6</u>	
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS



YEAR

TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

BIG PINE, CALIFORNIA

FORM: NOV. 1948

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER NO. <u>6</u>	
<u>7</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>10</u>	PHOTOGRAPHIC WEDGE NO. <u>6A</u>	
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS



DATE

DAY

MONTH

YEAR

## DAYTIME OBSERVATIONS

TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY

MR. R. C. BARNHILL

BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	REDUCED SKY BRIGHTNESS	SEEING	WIND DIRECTION	WIND SPEED	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	2.9	23	3	E	9	687.8	0	0	Lm	
1600	2.7	28	4	E	8	688.0	0	0	Lm	
1700	2.5	36	4	E	8	688.2	0	0	Lm	
1800	3.1	19	5	SE	8	688.2	0	0	Lm	
1900	3.2	17	6	NE	8	688.4	0	0	Lm	
2000	3.0	21	5	NE	7	688.6	0	0	Lm	
2100	3.3	15	5	E	7	688.4	51	1	Lm	
2200	3.1	19	4	SE	9	688.6	51	1	Lm	
2300	2.9	23	4	E	8	688.4	51	1	Lm	
2400	3.0	21	3	E	5	688.2	51	2	Lm	

HOURS  
CLASS 1HOURS  
CLASS 2HOURS  
CLASS 3HOURS  
CLASS 4HOURS CLEAR  
TOWARDS SUN

VISUAL SKY PHOTOMETER

NO. 6

PHOTOGRAPHIC WEDGE

NO. 6A

NIGHT  
OBSERVATIONS

TIME P.S.T.

SKY

SEEING

OBSERVER

REMARKS



DAY MONTH YEAR

TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

BIG PINE, CALIFORNIA

FORM: NOV. 1948

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER NO. <u>6</u>	
6	4	0	0	10	PHOTOGRAPHIC WEDGE NO. <u>64</u>	
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS



DATE 10 JULY 1949  
DAY MONTH YEAR

DAYTIME OBSERVATIONS  
 TO TEST SUITABILITY OF  
 SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY  
 % MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	BRIGHTNESS REDUCED SKY	SEEING	DIRECTION WIND	WIND SPEED	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	2.6	32	3	SE	10	689.6	0	0	dm	
1600	2.4	41	3	SE	9	689.4	0	0	dm	
1700	2.5	36	4	SE	7	689.4	0	0	dm	
1800	2.1	59	3	SE	8	689.4	0	0	dm	
1900	2.6	32	4	S	9	689.6	0	0	dm	
2000	2.7	28	3	SE	8	689.4	K1	2	dm	
2100	—	—	—	SE	8	689.2	K1S1	4	dm	
2200	—	—	—	SE	7	688.8	K1S1	4	dm	
2300	—	—	—	E	8	688.5	K1S1	5	dm	
2400	—	—	—	SE	9	688.2	S1K1	4	dm	

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER	NO. <u>6</u>
<u>5</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>6</u>	PHOTOGRAPHIC WEDGE	NO. <u>6A</u>
NIGHT OBSERVATIONS					TIME P.S.T.	SKY
					SEEING	OBSERVER
						REMARKS



DATE

11 July 1949

DAY

MONTH

YEAR

## DAYTIME OBSERVATIONS

TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY

MR. R. C. BARNHILL

BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	BRIGHTNESS	REDUCED SKY	SEEING	DIRECTION	WIND SPEED	WIND PRESSURE	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	1.5	130	8	5	11	688.0	0	0	WFB			
1600	1.7	100	9	5	11	688.2	K-2	1	WFB			
1700	—	—	—	5	17	688.2	K-3	7	WFB	SUN OBSCURED K-3		
1800	—	—	—	SW	13	688.3	K-3	8	WFB	SUN OBSC.		
1845	1.7	100	—	SW	9	688.3	K-4	8	WFB	SUN EXPOSED ONLY LONG ENOUGH TO GET WE.		
1900	1.5	130	8	SE	8	688.3	K-4	8	WFB			
2000	1.7	100	8	S	9	688.1	K-4	9	WFB			
2100	—	—	—	SW	4	688.0	K-5	9	WFB	SUN OBSC.		
2200	—	—	—	S	8	687.8	K-5S-4	9	WFB	SUN OBSC.		
2300	—	—	—	S	13	687.3	K-5S-2	9	WFB	SUN OBSC.		
2340	1.5	130	8	W	20	687.0	K-5	7	WFB			
2400	—	—	—	SW	12	687.0	K-5S-1	8	WFB	SUN VIS. BUT OBSC. BY K-1		

HOURS

CLASS 1

HOURS

CLASS 2

HOURS

CLASS 3

HOURS

CLASS 4

HOURS CLEAR

TOWARDS SUN

VISUAL SKY PHOTOMETER

NO. 6

PHOTOGRAPHIC WEDGE

NO. 6A

NIGHT

OBSERVATIONS

TIME P.S.T.

SKY

SEEING

OBSERVER

REMARKS



DATE 12 JULY 1949

DAY MONTH YEAR

DAYTIME OBSERVATIONS  
TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY  
% MR. R. C. BARNHILL  
BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	REDUCED SKY BRIGHTNESS	SEEING	WIND DIRECTION	WIND SPEED	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	—	—	—	SE	3	688.8	K-3	2	FD	SUN OBSC.
1530	1.5	130	8							
1600	1.9	76	8	SE	4	689.0	K-1	1	FD	
1700	2.3	46	7	SE	4	689.0	K-3	2	FD	
1800	—	—	—	S	6	689.3	K-3	4	FD	SUN OBSC.
1900	—	—	—	SW	10	689.3	K-4	6	FD	" "
2000	—	—	—	N	6	689.4	K-5	9	FD	" "
2100	—	—	—	W	1	689.7	K-5	10	FD	" "
2200	—	—	—	SE	9	689.2	K-5	9	FD	" "
2300	—	—	—	SE	14	689.0	K-5	10	FD	" "
2400	—	—	—	SE	25	688.9	K-5	10	FD	" "

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER	NO. <u>6</u>
<u>1</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>3</u>	PHOTOGRAPHIC WEDGE	NO. <u>6A</u>
NIGHT OBSERVATIONS					TIME P.S.T.	SKY
					SEEING	OBSERVER
						REMARKS



DAY MONTH YEAR

TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

MR. R. C. BARNHILL  
BIG PINE, CALIFORNIA

FORM: NOV. 1948

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER NO. _____	
2	0	0	0	2	PHOTOGRAPHIC WEDGE NO. _____	
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS



DATE 14 July 1949  
 DAY MONTH YEAR

DAYTIME OBSERVATIONS  
 TO TEST SUITABILITY OF  
 SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY  
 8 MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	BRIGHTNESS REDUCED SKY	SEEING	WIND DIRECTION	WIND SPEED	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	2.1	59	8	N	5	689.8	0	0	FD	
1540	1.8	88					C.L. D'OORE			
	1.8	88							FD	
	1.4	150					COMDR. E. BOLLAY			
1545	1.8	88					W.A. ANDERSON			
1600	2.0	68	5	E	6	690.0	0	0	FD	
1700	2.4	41	8	SE	8	690.0	0	0	FD	
1800	2.5	36	7	E	12	690.0	K-3	3	FD	
1900	2.6	32	8	SE	12	690.0	K-3	4	FD	
2000	2.3	46	7	S	10	690.0	K-3	4	FD	
2100	—	—	—	S	8	689.8	K-4	6	FD	SUN OBSC.
2200	2.2	52	6	S	6	689.5	K-4	6	FD	
2300	—	—	—	SE	3	689.2	K-4	7	FD	SUN OBSC.
2400	—	—	—	SE	2	689.1	K-4	8	FD	" "

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER	NO.
4	3	0	0	7	PHOTOGRAPHIC WEDGE	6A
NIGHT OBSERVATIONS					TIME P.S.T.	SKY
					SEEING	OBSERVER
					REMARKS	















DATE 18, JULY 1949  
 DAY MONTH YEAR

DAYTIME OBSERVATIONS  
 TO TEST SUITABILITY OF  
 SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY  
 & MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	REDUCED SKY BRIGHTNESS	SEEING	WIND DIRECTION	WIND SPEED	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	2.9	23	6	SW	11	683.7	K-2	2	FD	
1600	3.0	21	6	SW	16	684.0	K-2	2	FD	
1700			6	SW	19	684.0	K-2	3	FD	
			6						Im	UNABLE TO GET
			6						WFB	WEDGE READING
1800	—	—	—	SW	12	684.6	K-5	8	FD	
1900	2.6	32	7	SW	15	684.6	K-3	3	FD	
2000	—	—	—	SW	14	684.7	K-4	8	FD	SUN OBSCURED
2100	—	—	—	SW	15	684.8	K-4	8	Im	" " "
2200	3.1	19	6	SW	26	684.4	K-3	6	Im	
2300	3.3	15	5	SW	22	684.2	K-4	7	Im	
2400	3.2	17	4	SW	23	684.4	K-3	6	Im	

HOURS  
CLASS 1

HOURS  
CLASS 2

HOURS  
CLASS 3

HOURS  
CLASS 4

HOURS CLEAR  
TOWARDS SUN

VISUAL SKY PHOTOMETER

NO. 6A

PHOTOGRAPHIC WEDGE

NO. 6A

NIGHT  
OBSERVATIONS

TIME P.S.T.

SKY

SEEING

OBSERVER

REMARKS



DATE 19 JULY 1949  
DAY MONTH YEAR

DAYTIME OBSERVATIONS  
 TO TEST SUITABILITY OF  
 SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY  
 7 MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	REDUCED SKY BRIGHTNESS	SEEING	WIND DIRECTION	WIND SPEED	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	3.4	14	3	SW	13	684.7	K-1	1	WFB	
1600	3.7	10	5	SW	20	684.9	K-1	1	WFB	
1700	3.6	11	4	SW	27	684.5	0	0	WFB	
1800	3.2	17	5	SW	18	685.0	0	0	WFB	
1900	2.9	23	5	SW	22	684.9	0	0	WFB	
2000	2.5	36	4	SW	16	685.1	0	0	WFB	
2100	2.2	52	4	SW	19	685.0	0	0	WFB	
2200	2.4	41	4	SW	18	684.7	K-1	1	WFB	
2300	1.9	76	2	SW	17	684.5	K-2	1	WFB	
2400	1.1	230	1	SW	15	684.1	K-2	1	WFB	

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER		NO. <u>6</u>
<u>8</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>10</u>	PHOTOGRAPHIC WEDGE		NO. <u>6A</u>
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS	



DATE 20, JULY 1949

DAY MONTH YEAR

DAYTIME OBSERVATIONS  
TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY  
% MR. R. C. BARNHILL  
BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	BRIGHTNESS	REDUCED SKY	SEEING	DIRECTION	WIND SPEED	WIND SPEED	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	3.3	15	5	SW	11	684.4	0	0	FD			
1600	3.8	9.4	6	S	8	685.0	0	0	FD			
1700	4.0	7.8	5	W	10	685.0	0	0	FD			
1800	3.9	8.6	5	W	4	685.5	0	0	FD			
1900	3.6	11	6	SW	12	685.7	0	0	FD			
2000	3.7	10	5	S	5	685.8	0	0	FD			
2100	3.0	21	5	SW	2	685.8	0	0	FD			
2200	2.9	23	5	SE	3	685.5	0	0	FD			
2300	2.5	36	5	E	8	685.3	0	0	FD			
2400	2.2	52	5	NE	2	685.1	0	0	FD			

HOURS CLASS 1 HOURS CLASS 2 HOURS CLASS 3 HOURS CLASS 4 HOURS CLEAR TOWARDS SUN

9 1 0 0 10

VISUAL SKY PHOTOMETER NO. 6  
PHOTOGRAPHIC WEDGE NO. 6A

NIGHT  
OBSERVATIONS

TIME P.S.T. SKY SEEING OBSERVER REMARKS



DATE \_\_\_\_\_

DAY

MONTH

YEAR

TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

MR. R. C. BARNHILL

BIG PINE, CALIFORNIA

FORM: NOV. 1948

1500	2.0	68	6	E	3	684.9	0	0	WFB
1600	2.2	52	6	E	4	684.9	0	0	WFB
1700	2.5	36	7	SE	7	684.9	0	0	WFB
1800	2.5	36	5	E	10	685.1	0	0	WFB
1900	2.4	41	4	SE	8	685.0	0	0	WFB
2000	2.5	36	4	SW	7	685.1	0	0	WFB
2100	2.4	41	4	W	8	685.0	0	0	WFB
2200	2.3	46	4	SW	12	684.8	0	0	WFB
2300	1.7	100	3	W	2	684.7	0	0	WFB
2400	1.6	112	3	SE	13	684.4	0	0	WFB

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN
6	4	0	0	10

VISUAL SKY PHOTOMETER NO. 6  
PHOTOGRAPHIC WEDGE NO. 6A

NIGHT	TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS
OBSERVATIONS					



DATE 22, July 1949

DAY MONTH YEAR

DAYTIME OBSERVATIONS  
TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY  
% MR. R. C. BARNHILL  
BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	REDUCED SKY BRIGHTNESS	SEEING	DIRECTION WIND	WIND SPEED	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	2.0	68	8		C	684.7	0	0	FD	
1600	2.3	46	8	S	6	684.9	0	0	FD	
1700	2.4	41	8	SE	7	684.9	0	0	FD	
1800	2.4	41	7	S	7	685.0	0	0	FD	
1900	2.4	41	6	S	7	685.0	0	0	FD	
2000	2.4	41	6	SW	7	684.9	0	0	FD	
2100	2.3	46	5	SW	13	684.7	0	0	FD	
2200	2.1	59	5	SW	7	684.3	0	0	FD	
2300	2.1	59	6	SW	16	684.1	0	0	FD	
2400	1.8	88	7	SW	12	683.9	0	0	FD	

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER	NO. <u>6</u>
<u>6</u>	<u>4</u>	<u>0</u>	<u>0</u>	<u>10</u>	PHOTOGRAPHIC WEDGE	NO. <u>6A</u>
NIGHT OBSERVATIONS					TIME P.S.T.	SKY
					SEEING	OBSERVER
					REMARKS	



DATE 23, JULY 1949  
 DAY MONTH YEAR

DAYTIME OBSERVATIONS  
 TO TEST SUITABILITY OF  
 SITE FOR SOLAR RESEARCH

WHITE MOUNTAIN OBSERVATORY  
 7 MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

FORM: NOV. 1948

TIME G.C.T.	WEDGE READING	BRIGHTNESS REDUCED SKY	SEEING	WIND DIRECTION	WIND SPEED	ATMOS. PRESSURE	CLOUD TYPE	CLOUD COVER (TENTHS)	OBSERVER	REMARKS
1500	1.6	112	5	SE	3	684.2	0	0	WFB	
1600	2.1	59	5	SE	3	684.2	0	0	WFB	
1700	2.0	68	6	SW	8	684.3	0	0	WFB	
1800	2.1	59	4	SW	11	684.5	0	0	WFB	
1900	2.3	46	4	SW	6	684.8	0	0	WFB	
2000	2.4	41	4	W	12	684.8	0	0	WFB	
2100	2.1	59	4	SW	10	684.8	0	0	WFB	
2200	1.9	76	3	SW	13	684.7	0	0	WFB	
2300	1.8	88	3	SW	12	684.6	0	0	WFB	
2400	1.3	170	5	SW	9	684.2	0	0	WFB	
2100	2.1	59	5						ARMIN WIEBKE	

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER	NO.
2	7	1	0	10	PHOTOGRAPHIC WEDGE	6A
NIGHT OBSERVATIONS					TIME P.S.T.	SKY
					SEEING	OBSERVER
					REMARKS	



DAY MONTH YEAR

TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

BIG PINE, CALIFORNIA

FORM: NOV. 1948

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER	NO. <u>6</u>
7	3	0	0	10	PHOTOGRAPHIC WEDGE	NO. <u>6A</u>
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS



DAY	MONTH	YEAR
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TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

BIG PINE, CALIFORNIA

FORM: NOV 1948

[illegible]

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER		NO. <u>6</u>
<u>1</u>	<u>8</u>	<u>1</u>	<u>0</u>	<u>10</u>	PHOTOGRAPHIC WEDGE		NO. <u>6A</u>
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS	



WHITE MOUNTAIN OBSERVATORY  
 ♂ MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

FORM: NOV. 1948

[illegible]

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER		NO. <u>6</u>
6	4	0	0	10	PHOTOGRAPHIC WEDGE		NO. <u>6A</u>
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS	



DAY	MONTH	YEAR
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WHITE MOUNTAIN OBSERVATORY  
 OF MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

FORM: NOV. 1948

REMARKS

SEEING VARIES FROM  
3-5 5 MOST OF TIME

VISUAL SKY PHOTOMETER NO. 6  
PHOTOGRAPHIC WEDGE NO. 6A

OTHER NOTES FOR DATE



DAY	MONTH	YEAR
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TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

MR. R. C. BARNHILL  
BIG PINE, CALIFORNIA

FORM: NOV. 1948

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER NO. <u>6</u>	
7	3	0	0	10	PHOTOGRAPHIC WEDGE NO. <u>11</u>	
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS







WHITE MOUNTAIN OBSERVATORY  
 ♂ MR. R. C. BARNHILL  
 BIG PINE, CALIFORNIA

REMARKS



DAY	MONTH	YEAR
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TO TEST SUITABILITY OF  
SITE FOR SOLAR RESEARCH

MR. R. C. BARNHILL  
BIG PINE, CALIFORNIA

FORM: NOV 1948

HOURS CLASS 1	HOURS CLASS 2	HOURS CLASS 3	HOURS CLASS 4	HOURS CLEAR TOWARDS SUN	VISUAL SKY PHOTOMETER NO. <u>6</u>	
0	0	0	0	0	PHOTOGRAPHIC WEDGE NO. <u>6A</u>	
NIGHT OBSERVATIONS		TIME P.S.T.	SKY	SEEING	OBSERVER	REMARKS